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PTO/SB/08A (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

| | |
|------------------------|--------------------|
| Application Number | 10/087,153 |
| Filing Date | February 28, 2002 |
| First Named Inventor | PAVLOVSKAIA, ELENA |
| Group Art Unit | Unassigned |
| Examiner Name | Unassigned |
| Attorney Docket Number | 018563-002910US |

U.S. PATENT DOCUMENTS

| Examiner Initials ¹ | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document ² MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------------------|-----------------------|----------------------|--------------------------------------|-------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------|
| | | Number | Kind Code ² (if known) | | | |
| | AA | 3,407,500 | | Kesling | 10/1968 | |
| | AB | 3,600,808 | | Reeve | 08/1971 | |
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Examiner Signature

Todd E. Manahan
Primary Examiner

Date Considered

2-4-04

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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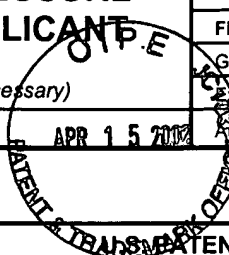
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| First Named Inventor | PAVLOVSKAIA, ELENA |
| Group Art Unit | Unassigned |
| Examiner Name | Unassigned |
| Attorney Docket Number | 018563-002910US |

Sheet **2** of **6**

APR 15 2002



| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------------|----------------------|--------------------------------------|----------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------|
| Examiner Initials | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
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| | CF | 5,549,476 | | Stern | 08/1996 | |

Examiner
Signature

Todd E. Manahan
Primary Examiner

Date
Considered

2-2-02

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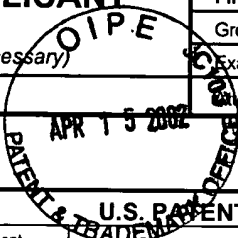
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 6

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| Filing Date | February 28, 2002 |
| First Named Inventor | PAVLOVSKAIA, ELENA |
| Group Art Unit | Unassigned |
| Examiner Name | Unassigned |
| Attorney Docket Number | 018563-002910US |



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| | | Number | Kind Code ² (if known) | | | |
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| | DB | 6,217,334 | | Hultgren | 04/2001 | |

Examiner Signature

Todd E. Manahan
Primary Examiner

Date Considered

2-2-04

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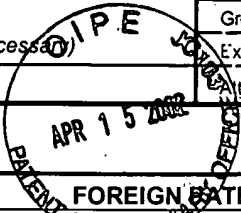
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **4** of **6**

C mplete if Known

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| Application Number | 10/087,153 |
| Filing Date | February 28, 2002 |
| First Named Inventor | PAVLOVSKAIA, ELENA |
| Group Art Unit | Unassigned |
| Examiner Name | Unassigned |
| Attorney Docket Number | 018563-002910US |



FOREIGN PATENT DOCUMENTS

| Examiner Initials | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|----------------------|--------------------------|-------------------------|---------------------|--------------------------------------|-------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------|----------------|
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | DC | FR | FR 2369828 | | | 06/1978 | | |
| | DD | PCT | WO 98/58596 | | | 07/1998 | | |
| | DE | PCT | WO 98/32394 | | | 07/1998 | | |
| | DF | PCT | WO 94/10935 | | | 05/1994 | | |

Examiner
Signature

Todd E. Manahan

Primary Examiner

Date
Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 6

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| | |
|------------------------|--------------------|
| Application Number | 10/087,153 |
| Filing Date | February 28, 2002 |
| First Named Inventor | PAVLOVSKAIA, ELENA |
| Group Art Unit | Unassigned |
| Examiner Name | Unassigned |
| Attorney Docket Number | 018563-002910US |

OTHER PRIOR ART -- NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|----------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| | DG | Andrews, "The Six Keys to Optimal Occlusion" <i>Straight Wire, Chapter 3</i> pp13-24 | |
| | DH | Biostar Operation & Training Manual. Great Lakes Orthodontics, Ltd. 199 Fire Tower Drive, Tonawanda, New York. 14150-5890. 20 pages total | |
| | DI | Chiappone, "Constructing the gnathologic setup and positioner" <i>J. Clin. Orthod.</i> (1980) 14:121-133. | |
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| | DK | Cureton, "Correcting malaligned mandibular incisors with removable retainers" <i>J. Clin. Orthod.</i> (1996) 30:390-395. | |
| | DL | Dent-X posted at http://www.dent-x.com/DentSim.htm 09/24/98, 6 pages total. | |
| | DM | Elsasser, "Some observations on the history and uses of the Kesling positioner" <i>Am. J. Orthod.</i> (1950) 36:368-374. | |
| | DN | Kamada et al., "Case reports on tooth positioners using LTV vinyl silicone rubber" <i>J. Nihon University School of Dentistry</i> (1984) 26(1):11-29. | |
| | DO | Kamada et al., "Construction of tooth positioners with LTV vinyl silicone rubber and some case reports" <i>J. Nihon University School of Dentistry</i> (1982) 24(1):1-27. | |
| | DP | Kesling, "Coordinating the predetermined pattern and tooth positioner with conventional treatment" <i>Am. J. Orthod. Oral. Surg.</i> (1946) 32:285-293. | |
| | DQ | Kesling, "The philosophy of the tooth positioning appliance" <i>Am. J. Orthod. Oral. Surg.</i> (1945) 31(6):297-304. | |
| | DR | Kleemann et al., "The speed positioner" <i>J. Clin. Orthod.</i> (1996) 30:673-680. | |
| | DS | Kunii et al., "Articulation Simulation for an Intelligent Dental Care System" <i>Displays</i> (1994) 15:181-188. | |
| | DT | Kuroda et al., "Three-dimensional dental cast analyzing system using laser scanning" <i>Am. J. Orthod. Dentofac. Orthop.</i> (1996) 110:365-369. | |
| | DU | Nahoum et al., "The vacuum formed dental contour appliance" <i>The New York State Dental Journal</i> (1964) 30(9):385-390. | |
| | DV | <i>Nippon Dental Review</i> "New orthodontic device-dynamic positioner (D.P.)-I. Approach to the proposal of D.P. and transparent silicone rubber" (1980) 452:61-74. | |
| | DW | <i>Nippon Dental Review</i> "New orthodontic device-dynamic positioner (D.P.)-II. Practical application and construction of D.P." (1980) 454:107-130. | |
| | DX | <i>Nippon Dental Review</i> "New orthodontic device-dynamic positioner (D.P.)-III. Case reports of reversed occlusion" 1980) 457:146-164. | |
| | DY | <i>Nippon Dental Review</i> "New orthodontic device-dynamic positioner (D.P.)-Case reports of reversed occlusion" (1980) 458:112-129. | |
| | DZ | Nishiyama et al., "A new construction of tooth repositioner by LTV vinyl silicone rubber" <i>J. Nihon University School of Dentistry</i> (1977) 19(2):93-102. | |
| | EA | Cardinal Industrial Finishes, Powder Coatings information posted at http://www.cardinalpaint.com on 08/25/00, 2 pages total. | |

Examiner
Signature

Todd E. Manahan

Date

Considered

2-2-07

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| Sheet | 6 | of | 6 |
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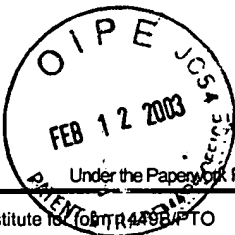
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| Group Art Unit | Unassigned |
| Examiner Name | Unassigned |
| Attorney Docket Number | 018563-002910US |

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| | | | |
|-----------------------|-----------------|--------------------|--------|
| Examiner Signature | Todd E. Manahan | Date Considered | 2-2-04 |
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Sheet **3**

of

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| Art Unit | 3732 |
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|----------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| | | Number Kind Code ² (if known) | | | |
| | AA | US-3,861,044 | 01-21-1975 | Swinson, Jr. | |
| | AB | US-5,607,305 | 03-04-1997 | Andersson et al. | |
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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|----------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| | AC | DOYLE, "Digital Dentistry" <i>Computer Graphics World</i> (October 2000) pp. 50-54. | |
| | AD | REDMOND et al., "Clinical implications of digital orthodontics" <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> (2000) 117(2):240-242. | |
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